

Abstract

A magnetic latching solenoid including a solenoid operating mechanism, and further comprising a magnetic latching subassembly cooperating with, but positioned independently of the solenoid operating mechanism. In a preferred embodiment, the solenoid operating system may be of a bi-directionally operated structure arranged for alternative magnetically latching function. Independently operated, magnetic latching subassemblies are spaced apart from one another and from opposite ends of the bi-directionally operated solenoid operating mechanism.